Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of treating cataracts, retinopathy, lens cell damage and retinal cell damage caused by diabetes comprising administering to a patient an effective amount of one or more compounds of the formula:

$$R^4$$
 R^5
 R^8
 R^9

or

wherein:

T is independently CR, NR, N, S or O;

X is independently O, NR, N or S;

Y is independently O, NR, N or S;

Z is independently C, N, S or O;

a is 0 or 1;

R¹, R³, R⁴ and R⁵ are, independently, R, H, OH, alkyl, alkenyl, alkynyl, an aromatic ring system, amino, sulfhydryl, sulfonyl,

Appl. No. 09/712,612 Amdt. dated July 19, 2004

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wherein R is independently H, OH, alkyl, alkenyl, or-alkynyl, an aromatic ring system, amino, sulfhydryl, or sulfonyl, M is a divalent alkyl, alkenyl or alkynyl, aromatic ring system, or sulfonyl, W is Cl, F, Br or OCl, and A is an aromatic ring system;

R², R⁸ and R⁹ are independently <u>H, OH, alkyl, alkenyl, alkynyl, an aromatic ring system, amino, sulfhydryl, or sulfonyl</u> R as defined above; and R⁶ is independently R, NH₂, OH, or OCOR where R is <u>H, OH, alkyl, alkenyl, alkynyl, an aromatic ring system, amino, sulfhydryl, or sulfonyl as set forth above</u>;

R⁷ is independently OH or H; or

R⁶ and R⁷ taken together are O;

and pharmaceutically acceptable salts or esters of the foregoing, as well as optical isomers thereof.

2. (original) The method of claim 1, wherein said patient is a dog and said compound is:

- 3. (original) The method of claim 2, wherein the compound is administered orally.
- 4. (original) The method of claim 2, wherein the compound is administered topically.
- 5. (original) The method of claim 1, wherein said patient is a human and said compound is:

6. (original) The method of claim 5, wherein the compound is administered orally.

- 7. (original) The method of claim 5, wherein the compound is administered topically.
- 8. (withdrawn) A method of inhibiting aldose reductase activity in cells, comprising contacting the cells with an effective amount of a compound of formula:

or

wherein:

T is independently CR, NR, N, S or O;

X is independently O, NR, N or S;

Y is independently O, NR, N or S;

> Z is independently C, N, S or O; a is 0 or 1, R¹, R³, R⁴ and R⁵ are, independently, R,

wherein R is independently H, OH, alkyl, alkenyl or alkynyl, an aromatic ring system, amino, sulfhydryl, or sulfonyl, M is a divalent alkyl, alkenyl or alkynyl, aromatic ring system, or sulfonyl, W is Cl, F, Br or OCl, and A is an aromatic ring system;

R², R⁸ and R⁹ are independently R as defined above; and

R⁶ is independently R, NH₂, OH, or OCOR where R is as set forth above;

R⁷ is independently OH or H; or

R⁶ and R⁷ taken together are O;

and pharmaceutically acceptable salts or esters of the foregoing, as well as optical isomers thereof.

9. (withdrawn) The method of claim 8, wherein said patient is a dog and said compound is:

- 10. (withdrawn) The method of claim 9, wherein the compound is administered orally.
- 11. (withdrawn) The method of claim 9, wherein the compound is administered topically.
- 12. (withdrawn) The method of claim 8, wherein said patient is a human and said compound is:

13. (withdrawn) The method of claim 12, wherein the compound is administered

orally.

- 14. (withdrawn) The method of claim 12, wherein the compound is administered topically.
- 15. (withdrawn) A method of treating retinopathy comprising:administering to a patient an effective amount of a compound of formula:

or

wherein:

T is independently CR, NR, N, S or O;

X is independently O, NR, N or S;

Y is independently O, NR, N or S;

> Z is independently C, N, S or O; a is 0 or 1, R¹, R³, R⁴ and R⁵ are, independently, R.

wherein R is independently H, OH, alkyl, alkenyl or alkynyl, an aromatic ring system, amino, sulfhydryl, or sulfonyl, M is a divalent alkyl, alkenyl or alkynyl, aromatic ring system, or sulfonyl, W is Cl, F, Br or OCl, and A is an aromatic ring system;

R², R⁸ and R⁹ are independently R as defined above; and

R⁶ is independently R, NH₂, OH, or OCOR where R is as set forth above;

R⁷ is independently OH or H; or

R⁶ and R⁷ taken together are O;

and pharmaceutically acceptable salts or esters of the foregoing, as well as optical isomers thereof.

16. (withdrawn) The method of claim 15, wherein the compound is administered orally.

- 17. (withdrawn) The method of claim 15, wherein the compound is administered topically.
- 18. (withdrawn) The method of claim 15, wherein said patient is a dog, and said compound is

- 19. (withdrawn) A method of decreasing the loss of PKC in diabetic patients comprising administering to a patient an effective amount of one or more compounds of claim 1.
- 20. (withdrawn) A method of inhibiting polyol accumulation in diabetic patients comprising administering to a patient an effective amount of one or more compounds of claim 1.
- 21. (withdrawn) A pharmaceutical composition comprising a compound with formula:

wherein the compound is useful to treat a disorder associated with the activity of aldose reductase.

22. (withdrawn) A method of preparing a pharmaceutical composition comprising: bringing a compound of formula:

$$\begin{array}{c|c}
 & & & & \\
R_a^4 & & & & \\
R_a^5 & & & & \\
R_a^8 & & & & \\
R_a^8 & & & & \\
\end{array}$$

or

wherein:

T is independently CR, NR, N, S or O;

X is independently O, NR, N or S;

Y is independently O, NR, N or S;

Z is independently C, N, S or O;

a is 0 or 1,

R¹, R³, R⁴ and R⁵ are, independently, R,

wherein R is independently H, OH, alkyl, alkenyl or alkynyl, an aromatic ring system, amino, sulfhydryl, or sulfonyl, M is a divalent alkyl, alkenyl or alkynyl, aromatic ring system, or sulfonyl, W is Cl, F, Br or OCl, and A is an aromatic ring system;

R², R⁸ and R⁹ are independently R as defined above; and

R⁶ is independently R, NH₂, OH, or OCOR where R is as set forth above;

R⁷ is independently OH or H; or

R⁶ and R⁷ taken together are O;

and pharmaceutically acceptable salts or esters of the foregoing, as well as optical isomers thereof, into association with a pharmaceutically acceptable carrier.

23. (withdrawn) A compound selected from the group consisting of compounds of formula:

$$\begin{array}{c|c}
 & & & & & \\
R_a^4 & & & & & \\
R_a^5 & & & & & \\
R_a^8 & & & & & \\
R_a^9 & & & & & \\
\end{array}$$

or

$$\begin{array}{c|c}
C & X & R \\
R_a^6 & R^7 & R^2 & Y \\
R_a^8 & R_a^9 & R_a^9
\end{array}$$

wherein:

T is independently CR, NR, N, S or O;

X is independently O, NR, N or S;

Y is independently O, NR, N or S;

Z is independently C, N, S or O;

a is 0 or 1,

R¹, R³, R⁴ and R⁵ are, independently, R,

wherein R is independently H, OH, alkyl, alkenyl or alkynyl, an aromatic ring

system, amino, sulfhydryl, or sulfonyl, M is a divalent alkyl, alkenyl or alkynyl, aromatic ring system, or sulfonyl, W is Cl, F, Br or OCl, and A is an aromatic ring system;

R², R⁸ and R⁹ are independently R as defined above; and

R⁶ is independently R, NH₂, OH, or OCOR where R is as set forth above;

R⁷ is independently OH or H; or

R⁶ and R⁷ taken together are O;

provided that either:

T is independently CR, provided that R is not H, or NR;

X is independently NR or N, provided that R is not H;

Y is independently NR, provided that R is not H; or

R¹, R³, R⁴ and R⁵ are, independently,

-CH(OR)-OR; -O-CH(OR)-R; -M-O-CH(OR)-R; -M-C(OR)-C(=O)-R; or -M-C(=O)-C(OR)0R.

24. (currently amended) A method of reducing polyol accumulation in the eye, reducing galactitol formation from galactose in lens cells or reducing expression of aldose reductase in the retina caused by diabetes treating an ocular diabetic complication selected from the group consisting of: polyol accumulation in the eye, galactitol formation from galactose in lens cells, and expression of aldose reductase in the retina comprising administering to a patient an effective amount of one or more compounds of the formula:

$$R^{4}$$
 R^{5}
 R^{8}
 R^{9}

or

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wherein:

T is independently CR, NR, N, S or O;

X is independently O, NR, N or S;

Y is independently O, NR, N or S;

Z is independently C, N, S or O;

a is 0 or 1;

R¹, R³, R⁴ and R⁵ are, independently, R, <u>H, OH, alkyl, alkenyl, alkynyl, an</u> aromatic ring system, amino, sulfhydryl, sulfonyl,

wherein R is independently H, OH, alkyl, alkenyl, of alkynyl, an aromatic ring system, amino, sulfhydryl, or sulfonyl, M is a divalent alkyl, alkenyl or alkynyl, aromatic ring system, or sulfonyl, W is Cl, F, Br or OCl, and A is an aromatic ring system;

R², R⁸ and R⁹ are independently <u>H, OH, alkyl, alkenyl, alkynyl, an aromatic ring system, amino, sulfhydryl, or sulfonyl, R as defined above; and R⁶ is independently R, NH₂, OH, or OCOR where R is <u>H, OH, alkyl, alkenyl, alkynyl, an aromatic ring system, amino, sulfhydryl, or sulfonyl</u> as set forth above;</u>

R⁷ is independently OH or H; or

R⁶ and R⁷ taken together are O;

and pharmaceutically acceptable salts or esters of the foregoing, as well as optical isomers thereof.